

## C l a i m s

1. A system for computer assisted driving lessons, for  
installation in a vehicle used for instructions,  
5 c h a r a c t e r i z e d i n an electronic  
processing unit (5) for display, control, recording and  
storage of data, a first camera (1) directed forward in  
the driving direction, a second camera (2) directed at  
a pupils eyes as well as recording situations behind  
10 the vehicle, a microphone (3), a sensor (4) giving  
position data, the processing unit (5) being designed  
for synchronous storage of signals from the cameras (1,  
2), the microphone (3) and the sensor (4).
- 15 2. A system as claimed in claim 1,  
c h a r a c t e r i z e d i n a sensor measuring the  
distance to any vehicle in front of the vehicle used  
for instructions, the distance sensor being connected  
to the processing unit (5) for recording of distances.  
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3. A system as claimed in claim 1 or 2,  
c h a r a c t e r i z e d i n that the sensor (4) for  
measuring the position of the vehicle being a trip  
meter.  
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4. A system as claimed in claim 1 or 2,  
c h a r a c t e r i z e d i n that the sensor (4)  
for measuring the position of the vehicle being a  
Global Positioning System receiver.  
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5. A system as claimed in one of the preceding claims,  
c h a r a c t e r i z e d i n that the processing  
unit (5) being arranged for compressing the recorded  
signals prior to storage.  
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6. A system as claimed in one of the preceding claims,  
c h a r a c t e r i z e d i n that the processing  
unit (5) being arranged for storing signals recorded in

predefined time intervals at predefined positions along a driving route.

- 5 7. A system as claimed in any of the preceding claims, characterized in that the processing unit (5) being arranged for storing an electronic scorecard, for storing marks given to each pupil for each sequence of the training route.
- 10 8. Use of a system as claimed in any of the claims 1 - 6 to display picture/video-sequences from a pre-defined route as preparation before driving occurs, when driving to register record signals from the same predefined route, and after the driving trip display  
15 the signals and pictures.
- 20 9. Use of a system as claimed in any of the claims 1 - 6 to display picture/video-sequences from a random route as preparation before driving occurs, when driving to register record signals from the same route, and after the driving trip display the signals and pictures.